

Note:

Entry into Accelerator housing :

- a) All entry by Controlled Access
- b) Tunnel Hazards Training required
- c) Familiarity with SPEAR Tunnel Area Hazard Analysis (AHA) required
- d) SPEAR Lock Down Verification available for review

Work Authorization :

- a) Prior authorization to work on accelerator via area manager & line manager
- b) For Non-SSRL Workers - implement Interim Work Authorization Process

Integrated Safety Manament System :

<p>Five functions</p> <ul style="list-style-type: none"> <li>Define the Scope of Work</li> <li>Analyze the hazards</li> <li>Develop and Implement Controls</li> <li>Perform the Work</li> <li>Feedback and Improve</li> </ul>	<p>Seven Guiding Principles</p> <ul style="list-style-type: none"> <li>Line Management Responsible for Safety</li> <li>Clear roles and responsibilities</li> <li>Competences Commensurate with Responsibilities</li> <li>Balanced Priorities</li> <li>Identification of Safety Standards and Requirements</li> <li>Hazard Controls Tailored to the Work Being Performed</li> <li>Operations Authorization</li> </ul>
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People responsible for ensuring implementation of ISMS

- a) Workers
- b) PIC - person in charge
- c) RLM - responsible line manager

# Accelerator Maintenance Day Tasks

2/9/2009

			PIC	Shop	Task Person	Forms	(hr)
Access	Conditions:	1. SPEAR access: 6:30 to14:00					
		Note - SPEAR trestle access road blocked 7 to 9 am					
		- AEG equipment to be stored in B118 over the weekend					
Access	Conditions:	2. SPEAR - Power Supply Checks - 2 hrs after					

# Accelerator Maintenance Day Tasks

2/9/2009

				PIC	Shop	Task Person	Forms	(hr)
			power restored					
Access	Conditions:	3.	OUTAGES:					
Access	Conditions:	4.	RSWCF Open: a) SPEAR East PPS gate b) BL14 stoppers test					
Beamline	BL13, BL14	5.	Increase lead shielding downstream end of BL13 ID. (Attempt to reduce radiation losses on BL14 transverse wall)	Rabedeau	BLD	Wenger		
Beamline	Beam Monitoring, Diagnostics	6.	Install three (3) coaxial cables from BL7-2 to BL2-3 for Time-Resolved measurements.	Martin	ESG			
Beamline	Vacuum	7.	Beamline Walkthru	Neal	Vacuum	Bach/Spector		.5
Beamline	Vacuum	8.	13-0 MM1 Dust cover needed	Neal	Vacuum	Pak		1
Beamline	Vacuum	9.	13-0 IG2 Troubleshoot	Neal	Vacuum	Spector/Bach		2
Beamline	Vacuum	10.	BL5 ion pump cable dressing and clean up	Neal	Vacuum	Spector/Bach		1
Beamline	Vacuum	11.	BL14 mainline bellows covers re-secured	Neal	Vacuum	Spector/Bach		.5
Beamline	Vacuum	12.	BL4, 13 and 14 fast valve covers	Neal	Vacuum	Spector/Bach		2
Beamline	Vacuum	13.	Beamline BL4 4-1 IG3, 4-2 IG1, 4-3 IG1, 4-3 IG2 may be mixed up. Check cable to gauge	Neal	Vacuum	Spector/Bach, +Yott		2
INJECTOR	Mechanical	14.	Booster G-31 peaking strip installation	Ernst	MSG	3 tech	WIP, EWP, LOTO	6
				PIC	Shop	Task Person	Forms	(hr)

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2/9/2009

				PIC	Shop	Task Person	Forms	(hr)
INJECTOR	Vacuum	15.	BTS functional drawing update	Neal	Vacuum	Nall, Evanson		1
INJECTOR	Vacuum	16.	Peaking strip installation	Neal	Vacuum	Nalls, et al		4
SPEAR	Beam Monitoring, Diagnostics	17.	Re-install Tune Kicker load in SPEAR ring.	Martin	ESG			
SPEAR	Mechanical	18.	Spear mechanical systems inspection	Ernst	MSG	1 tech		1
SPEAR	Mechanical	19.	Remove & replace leaking quick disconnect Bldg. 514 RFHVPS LCW return venturi	Ernst	MSG	1 tech	WIP, ELP, LOTO.	1
SPEAR	Mechanical	20.	Complete SPEAR LCW system valve ID labeling, BL-9 front end, BL-5 insertion device	Ernst	MSG	1 tech		1
SPEAR	Mechanical - AEG	21.	Elevation checks of BL13 undulator chamber. Raise downstream end of chb 0.75 mm.	Gassner	AEG, Vac			
SPEAR	Mechanical - AEG	22.	Check the HLS pipe heights and adjust them..	Gassner	AEG			
SPEAR	PPS	23.	Replace spear east gate key release switch..	Horton			RSWCF	
SPEAR	PPS	24.	Test bl14 stoppers, this requires unlocking the stoppers, testing the operate and relocking..	Horton			RSWCF	
SPEAR	Insertion Devices	25.	Check calibration of the BL13 EPU row phases. No access is required, but I will be moving	Rarback				
				PIC	Shop	Task Person	Forms	(hr)

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2/9/2009

				PIC	Shop	Task Person	Forms	(hr)
			the row phase girders.					
			Note:- coordinate this activity after AEG completes vac chb alignment					
SPEAR	Vacuum	26.	SPEAR Walkthru	Neal	Vacuum	Pak		.5
SPEAR	Vacuum	27.	12S1G1 Lead wrap for the "0" reading	Neal	Vacuum	Pak		1
SPEAR	Vacuum	28.	10G IG BL12 troubleshoot	Neal	Vacuum	Pak/Ortiz		2
SPEAR	Vacuum	29.	03S photos	Neal	Vacuum	Pak		.5
SPEAR	Vacuum	30.	13G-IG-TSP3/12S-IG1 troubleshooting	Neal	Vacuum	Pak/Ortiz		1
SPEAR	Vacuum	31.	Clean up and tighten boiloff Cu tubing coils on SPEAR walls.	Neal	Vacuum	Spector/Bach/ Pak		2
SPEAR	Vacuum	32.	Out of Alcove:	Neal	Vacuum	Pak		4
			SPEAR Continue re-labeling IP power supplies and cables with correct nomenclature. Label rear panels of IG controllers.					
SPEAR	Facilities	33.	Test SPEAR fire alarm system	Bayugo	SLAC Fac			4

PIC Shop Task Person Forms (hr)